

PCT REQUEST

Original (for SUBMISSION)

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| 0 | For receiving Office use only | |
| 0-1 | International Application No. | |
| 0-2 | International Filing Date | |
| 0-3 | Name of receiving Office and "PCT International Application" | |
| 0-4 | Form PCT/RO/101 PCT Request | |
| 0-4-1 | Prepared Using PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162) | |
| 0-5 | Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) Canadian Patent Office (RO/CA) | |
| 0-7 | Applicant's or agent's file reference P478 0010 | |
| I | Title of Invention OPTICAL DEVICE AND METHOD FOR SENSING MULTIPHASE FLOW | |
| II | Applicant II-1 This person is applicant only II-2 Applicant for all designated States except US II-4 Name PHOTON CONTROL INC. II-5 Address 8540 Baxter Place Burnaby, British Columbia V5A 4T8 Canada II-6 State of nationality CA II-7 State of residence CA II-8 Telephone No. 604 422 8408 II-9 Facsimile No. 604 422 8409 | |
| III-1 | Applicant and/or Inventor III-1-1 This person is applicant and inventor III-1-2 Applicant for US only III-1-4 Name (LAST, First) MELNYK, Ivan III-1-5 Address 604 Cottonwood Avenue Coquitlam, British Columbia V3J 2S4 Canada III-1-6 State of nationality CA III-1-7 State of residence CA | |

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| IV-1 | Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: | agent MCGRUDER, David, J. |
| IV-1-1 | Name (LAST, First) | Oyen Wiggs Green & Mutala |
| IV-1-2 | Address | 480 - 601 West Cordova Street Vancouver, British Columbia V6B 1G1 Canada |
| IV-1-3 | Telephone No. | 604 669 3432 |
| IV-1-4 | Facsimile No. | 604 681 4081 |
| IV-2 | Additional agent(s) | additional agent(s) with same address as first named agent |
| IV-2-1 | Name(s) | OYEN, Gerald, O.S.; WIGGS, Blake, R.; GREEN, Bruce, M.; BAILEY, Thomas, W.; MANNING, Gavin, N.; KONDOR, George, F.; SUE, Hilton, W.C.; ASH, Craig, A.; JOHNSON, Richard, A.; RATTRAY, Todd, A.; LAW, Grace, S. |
| V | DESIGNATIONS | |
| V-1 | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the International filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. | |
| VI-1 | Priority claim of earlier national application | |
| VI-1-1 | Filing date | 17 November 2003 (17.11.2003) |
| VI-1-2 | Number | 2,449,551 |
| VI-1-3 | Country | CA |
| VI-2 | Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | VI-1 |
| VII-1 | International Searching Authority Chosen | Canadian Patent Office (CA) (ISA/CA) |

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| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | - | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | - | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the International filing date, to claim the priority of the earlier application | - | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | - | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | - | |
| IX | Check list | number of sheets | electronic file(s) attached |
| IX-1 | Request (including declaration sheets) | 4 | ✓ |
| IX-2 | Description | 19 | - |
| IX-3 | Claims | 7 | - |
| IX-4 | Abstract | 1 | ✓ |
| IX-5 | Drawings | 16 | - |
| IX-7 | TOTAL | 47 | |
| | Accompanying Items | paper document(s) attached | electronic file(s) attached |
| IX-8 | Fee calculation sheet | ✓ | - |
| IX-11 | Copy of general power of attorney | reference no. PCT/CA2004/001593 | - |
| IX-17 | PCT-SAFE physical media | - | ✓ |
| IX-19 | Figure of the drawings which should accompany the abstract | 1 | |
| IX-20 | Language of filing of the international application | English | |
| X-1 | Signature of applicant, agent or common representative | | |
| X-1-1 | Name (LAST, First) | MCGRUDER, David, J. | |
| X-1-2 | Name of signatory | | |
| X-1-3 | Capacity | | |
| X-2 | Signature of applicant, agent or common representative | | |
| X-2-1 | Name (LAST, First) | MELNYK, Ivan | |
| X-2-2 | Name of signatory | | |
| X-2-3 | Capacity | | |

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| 10-1 | Date of actual receipt of the purported international application | |
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/CA |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

FOR INTERNATIONAL BUREAU USE ONLY

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| 11-1 | Date of receipt of the record copy by the International Bureau | |
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PCT REQUEST (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION)

(This sheet is not part of and does not count as a sheet of the international application)

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| 0 | For receiving Office use only | | |
| 0-1 | International Application No. | | |
| 0-2 | Date stamp of the receiving Office | | |
| 0-4 | Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet | | |
| 0-4-1 | Prepared Using | PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162) | |
| 0-9 | Applicant's or agent's file reference | P478 0010 | |
| 2 | Applicant | PHOTON CONTROL INC. | |
| 12 | Calculation of prescribed fees | fee amount/multiplier | Total amounts (CAD) |
| 12-1 | Transmittal fee | T | 300 |
| 12-2-1 | Search fee | S | 1600 |
| 12-2-2 | International search to be carried out by | CA | |
| 12-3 | International filing fee (first 30 sheets) | I1 | 1489 |
| 12-4 | Remaining sheets | I2 | 17 |
| 12-5 | Additional amount | (X) | 16 |
| 12-6 | Total additional amount | I2 | 272 |
| 12-7 | I1 + I2 = | I | 1761 |
| 12-12 | EASY Filing reduction | R | -106 |
| 12-13 | Total International filing fee (I-R) | I | 1655 |
| 12-14 | Fee for priority document | | |
| | Number of priority documents requested | 1 | |
| 12-15 | Fee per document | (X) | 66 |
| 12-16 | Total priority document fee: | P | 66 |
| 12-17 | TOTAL FEES PAYABLE (T+S+I+P) | | 3621 |
| 12-19 | Mode of payment | other Payment will follow. | |